

## VIDEO SIGNAL MONITORING APPARATUS

### ABSTRACT OF THE DISCLOSURE

An apparatus for monitoring a video signal comprises means for detecting a gamut error in an R component, means  
5 for detecting a gamut error in a G component, and means for detecting a gamut error in a B component. The means for detecting a gamut error in the R component includes: means for generating a first condition  $Y > S - a \times Pr$  (where  $a$  is a predetermined coefficient) and a second condition  $Y < T -$   
10  $a \times Pr$  from a  $Pr$  component of a Y/color difference component signal and an upper limit value  $S$  and a lower limit value  $T$  of the RGB component signal. The apparatus further comprises means for making a gamut error state visually recognizable with respect to the R component when  
15 the first condition or the second condition is satisfied.